

LISTING OF THE CLAIMS

NEW CLAIMS

Please add new claims 7-58 as follows:

7. (New) A method for forming a conductive layer on a surface, comprising:
preparing a paste by mixing first and second powders and a binder, wherein the

first powder has a specific gravity greater than the second powder;

coating at least a portion of the surface with said paste;

separating said layer into two sub-layers; and

removing the binder from the two sub-layers to form the conductive layer.

8. (New) The method of claim 7, wherein the first and second powders have
different light absorption properties.

9. (New) The method of claim 7, wherein at least one of the first powder or the
second powder includes Ag.

10. (New) The method of claim 9, wherein the second powder comprises Ag.

11. (New) The method of claim 7, wherein at least one of the first powder or the second powder comprises black pigment.

12. (New) The method of claim 11, wherein the first powder comprises black pigment.

13. (New) The method of claim 12, wherein the black pigment includes a metallic oxide of at least one of Cr, Co, or Mn.

14. (New) The method of claim 7, wherein the surface is a surface of a transparent electrode of a plasma display panel.

15. (New) The method of claim 7, wherein the specific gravity of the first powder is higher than 7.

16. (New) The method of claim 15, wherein the specific gravity of the second powder is lower than 3.

17. (New) The method of claim 7, wherein the first powder comprises a black powder and has a specific gravity higher than 7.

18. (New) The method of claim 7, wherein the second powder comprises a white powder and has a specific gravity lower than 3.

19. (New) The method of claim 7, wherein said removing of the binder comprises heating.

20. (New) The method of claim 19, wherein said heating comprises drying or firing said paste.

21. (New) The method of claim 7, wherein said separating said layer into two sub-layers comprises allowing said layer to separate based on the specific gravities of the first and second powders.

22. (New) The method of claim 21, wherein said allowing said layer to separate comprises waiting for a prescribed period of time such that the first and second powders in the layer are separated into two sub-layers.

23. (New) A method of forming a multi-layer structure for a display panel comprising:

forming a layer having a composition of two components, wherein a first component is different in color from a second component; and

forming two sub-layers within the layer, wherein a first sub-layer comprises the first component and the second sub-layer comprises the second component.

24. (New) The method of claim 23, wherein the first component is darker than the second component.

25. (New) The method of claim 23, wherein each component has a specific gravity, and wherein the two sub-layers are formed within the layer based on the specific gravity of each of the two components.

26. (New) The method of claim 23, wherein the second component is Ag.

27. (New) The method of claim 23, wherein the first component is a black powder.

28. (New) The method of claim 23, wherein the first component has a specific gravity larger than 7, and the second component has a specific gravity smaller than 3.

29. (New) The method of claim 23, wherein said forming of two sub-layers within the layer further includes heating said two sub-layers.

30. (New) The method of claim 29, wherein said heating of said two sub-layers includes drying or firing.

31. (New) The method of claim 23, wherein the display panel is a plasma display panel.

32. (New) The method of claim 23, wherein the multi-layer structure is a sustain electrode of a plasma display panel.

33. (New) The method of claim 23, wherein each component has a different specific gravity, wherein the difference is sufficient to cause separation of each component into its own sub-layer by gravity.

34. (New) A method of forming a multi-layer structure for a display panel comprising:

forming a layer having a composition of at least two components, each component having a specific gravity; and

forming at least two sub-layers within the layer based on the specific gravity of each of the at least two components.

35. (New) The method of claim 34, wherein first and second components have different light reflection properties.

36. (New) The method of claim 34, wherein at least one of the at least two sub-layers is conductive.

37. (New) The method of claim 36, wherein a second component is Ag.

38. (New) The method of claim 34, wherein a first component includes a black pigment.

39. (New) The method of claim 38, wherein the black pigment comprises a metallic oxide of at least one of Cr, Co, or Mn.

40. (New) The method of claim 34, wherein the specific gravity of a first component is higher than 3.

41. (New) The method of claim 34, wherein the specific gravity of the first component is higher than 7.

42. (New) The method of claim 34, wherein the specific gravity of a second component is less than 7.

43. (New) The method of claim 34, wherein the specific gravity of the second component is less than 3.

44. (New) The method of claim 34, wherein the composition further includes a binder.

45. (New) The method of claim 44, wherein during the forming of the at least two sub-layers, the binder is removed.

46. (New) The method of claim 45, wherein the binder is removed by increasing temperature.

47. (New) The method of claim 46, wherein the increasing of temperature comprises at least one of drying or firing.

48. (New) The method of claim 46, wherein the increasing of temperature causes at least some melting of the at least two components.

49. (New) The method of claim 34, wherein said forming of the at least two sub-layers comprises forming two sub-layers from two components by distributing each component into its own sub-layer.

50. (New) The method of claim 49, wherein said distributing of each component into their own sub-layer comprises allowing the two components to distribute into their own sub-layers.

51. (New) The method of claim 50, wherein said allowing the two components to distribute into their own sub-layers comprises waiting a prescribed period of time for the two components of the layer to distribute into their own sub-layers.

52. (New) The method of claim 34, wherein the at least two sub-layers comprise a white component sub-layer on top of a black component sub-layer.

53. (New) The method of claim 34, wherein the display panel is a plasma display panel.

54. (New) The method of claim 53, wherein the multi-layer structure is a sustain electrode of the plasma display panel.

55. (New) The method of claim 54, wherein the structure of the plasma display panel comprises:

a front substrate;

a rear substrate in parallel to the front substrate;

sustain electrodes on the front substrate;

an insulating layer on the sustain electrodes;

partitions formed between the front substrate and the rear substrate;

an address electrode on the rear substrate; and

a fluorescent layer within the partitions.

56. (New) The method of claim 34, wherein the at least two components are initially distributed throughout the layer.

57. (New) The method of claim 34, wherein each component has a different specific gravity, wherein the differences between said components' specific gravities are sufficient to cause separation of each component into its own sub-layer by gravity.

58. (New) A method of forming a multi-layer structure for a display panel comprising:

forming a layer having a composition of two components, each having a different specific gravity, the difference causing a separation of each component into its own sub-layer by gravity.

STATUS OF CLAIMS AND SUPPORT FOR CLAIM CHANGES

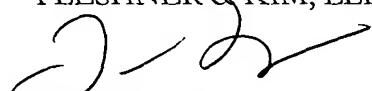
Claims 1-58 are pending in this application. By this Amendment, original claims 1-6 have not been amended, the drawings are amended and claims 7-58 are added. Support for new claims 7-58 can be found in the specification including the original claims and the figures, for example, see column 3, line 38 to column 4, line 4 and column 4, line 40 to column 5, line 27. Prompt examination and allowance in due course are respectfully solicited.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, Laura L. Lee, at the telephone number listed below. Favorable consideration and prompt allowance are earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP



Daniel Y.J. Kim
Registration No. 36,186
Laura L. Lee
Registration No. 48,752

P.O. Box 221200
Chantilly, VA 20153-1200
703 502-9440 DYK/LJJ:knv
Date: AUGUST 21, 2003